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- (71) Applicant (for all designated States except US): ELI LILLY AND COMPANY [US/US]; Lilly Corporate Center, Indianapolis, IN 46285 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): NG, Kingman [CN/US]; 10745 Putnam Place, Carmel, IN 46032 (US). LI, Shun [US/US]; 7620 Bancaster Drive, Indianapolis, IN 46268 (US). WATTS, Eric, Alan [US/US]; 294 Sunrise Circle, Greenwood, IN 46142 (US).

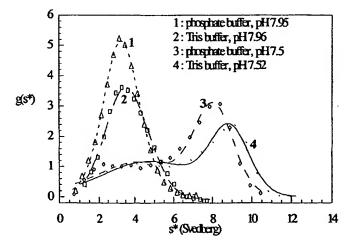
- (74) Agents: BENT, Stephen, A. et al.; Foley & Lardner, Suite 500, 3000 K Street, N.W., Washington, DC 20007-5109
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(54) Title: MONODISPERSE HEXAMERIC ACYLATED INSULIN ANALOG FORMULATIONS



(57) Abstract: The present invention provides formulations and methods for preparing formulations containing an aqueous solution at a pH of greater than about 7.9. The aqueous solution includes an isotonicity agent, a phenolic derivative, zinc ions, and an acylated human insulin analog. More particularly, the invention relates to formulations having a pH of greater than about 7.9 that include a monoacylated human insulin analog such as an acylated des(B30) human insulin analog or an analog that comprises a native or modified human insulin A chain optionally modified at position A21, and a modified native human insulin B chain optionally modified at position B3 and modified at position B28, or at both positions B28 and B29, and that contains a lysine residue at either position B28 or B29 acylated with a fatty acid residue. The invention also provides a method for treating a patient suffering from hyperglycemia using the pharmaceutical formulations of the invention.

 Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

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WPI Da	ta, PAJ, EPO-Internal, CHEM ABS Dat	ta			
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.		
X	WO 97 48414 A (NOVO NORDISK) 24 December 1997 (1997-12-24) claims 1-18 page 5, line 5 - line 13 page 6, line 1 - line 3		1-59		
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Funt	ther documents are listed in the continuation of box C.	Patent family members are listed	in annex.		
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